



Certificate of Analysis

R&D

Client Information:

THinC, LLC

111 S 11th St

Ste. 100

West Des Moines, IA 50265

Order # LEH250703-010001

Order Date: 2025-07-03

Sample # AAGW622

Batch # 250703-01

Batch Date: 2025-07-03

Extracted From: Hemp

Test Reg State: Florida

Sampling Date: 2025-07-15

Lab Batch Date: 2025-07-15

Completion Date: 2025-07-22

Initial Gross Weight: 30.500 g

Net Weight: 19.500 g

Number of Units: 10

Net Weight per Unit: 2000.000 mg



Product Image



Potency
Tested



Terpenes
Tested



Heavy Metals
Passed



Mycotoxins
Passed



Pesticides
Passed



Residual Solvents
Passed



Pathogenic
Passed



Microbiology (qPCR)
Passed



Potency 25 (LCUV)

Specimen Weight: 502.640 mg

Tested

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
CBD	50.000	5.40E-5	0.0015	2.3700	0.2370
Delta-9 THC	50.000	1.30E-5	0.0015	1.2500	0.1250
CBC	50.000	1.80E-5	0.0015	<LOQ	<LOQ
CBCA	50.000	1.07E-4	0.0015	<LOQ	<LOQ
CBDA	50.000	1.00E-5	0.0015	<LOQ	<LOQ
CBDV	50.000	6.50E-5	0.0015	<LOQ	<LOQ
CBDVA	50.000	1.40E-5	0.0015	<LOQ	<LOQ
CBG	50.000	2.48E-4	0.0015	<LOQ	<LOQ
CBGA	50.000	8.00E-5	0.0015	<LOQ	<LOQ
CBL	50.000	3.50E-5	0.0015	<LOQ	<LOQ
CBN	50.000	1.40E-5	0.0015	<LOQ	<LOQ
CBNA	50.000	9.50E-5	0.0015	<LOQ	<LOQ
CBT	50.000	2.00E-4	0.0015	<LOQ	<LOQ
Delta-8 THC	50.000	2.60E-5	0.0015	<LOQ	<LOQ
Delta-8 THC-O Acetate	50.000	2.70E-5	0.003	<LOQ	<LOQ
Delta-8 THCV	50.000	4.00E-5	0.0015	<LOQ	<LOQ
Delta-9 THC-O Acetate	50.000	7.70E-5	0.003	<LOQ	<LOQ
Delta8-THCP	50.000	3.75E-4	0.0015	<LOQ	<LOQ
Delta9-THCP	50.000	1.17E-5	0.0012	<LOQ	<LOQ
Exo-THC	50.000	2.30E-4	0.0015	<LOQ	<LOQ
THCA-A	50.000	3.20E-5	0.0015	<LOQ	<LOQ
THCB	50.000	1.80E-4	0.00195	<LOQ	<LOQ
THCH	50.000	3.50E-4	0.00195	<LOQ	<LOQ
THCV	50.000	7.00E-6	0.0015	<LOQ	<LOQ
THCVA	50.000	4.70E-5	0.0015	<LOQ	<LOQ
Total Active CBD	50.000			2.370	0.237
Total Active THC	50.000			1.250	0.125



Potency Summary

Total Active THC 0.125% 2.500 mg	Total Active CBD 0.237% 4.740 mg
Total CBG None Detected	Total CBN None Detected
Total Cannabinoids 0.362% 7.240 mg	Total THCV None Detected

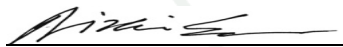


Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	6.468	0.647%

Total Terpenes: 0.647%

Detailed Terpenes Analysis is on the following page


Aixa Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.867), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed = Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Client supplied the net weight of mg The results apply to the sample as received. This report shall not be reproduced, without written approval, from ACS Laboratory The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard.



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Batch # 250703-01

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Extracted From: Hemp

Test Reg State: Florida

Initial Gross Weight: 30.500 g

Net Weight: 19.500 g

Number of Units: 10

Net Weight per Unit: 2000.000 mg



Terpenes

Specimen Weight: 502.640 mg

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.002	6.468	0.647
(+)-Cedrol	0.002	<LOQ	
3-Carene	0.002	<LOQ	
alpha-Bisabolol	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ	
alpha-Humulene	0.002	<LOQ	
alpha-Phellandrene	0.002	<LOQ	
alpha-Pinene	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ	
beta-Myrcene	0.002	<LOQ	
beta-Pinene	0.002	<LOQ	
Borneol	0.004	<LOQ	
Camphene	0.002	<LOQ	
Camphors	0.006	<LOQ	
Caryophyllene oxide	0.002	<LOQ	
cis-Nerolidol	0.002	<LOQ	
Eucalyptol	0.002	<LOQ	
Farnesene	0.002	<LOQ	
Fenchone	0.002	<LOQ	

Tested

SOP13.045 (GC-MS/GC (Liquid Injection))

Analyte	LOQ (%)	Result (mg/g)	(%)
Fenchyl Alcohol	0.002	<LOQ	
Gamma-Terpinene	0.002	<LOQ	
Geraniol	0.002	<LOQ	
Geranyl acetate	0.002	<LOQ	
Guaiaol	0.002	<LOQ	
Hexahydrothymol	0.002	<LOQ	
Isoborneol	0.002	<LOQ	
Isopulegol	0.002	<LOQ	
Linalool	0.002	<LOQ	
Nerol	0.002	<LOQ	
Ocimene	0.00033	<LOQ	
Pulegone	0.002	<LOQ	
Sabinene	0.002	<LOQ	
Sabinene Hydrate	0.002	<LOQ	
Terpinolene	0.002	<LOQ	
Total Terpeneol	0.00126	<LOQ	
trans-Caryophyllene	0.002	<LOQ	
trans-Nerolidol	0.002	<LOQ	
Valencene	0.002	<LOQ	



Total Yeast and Mold

Specimen Weight: 520.200 mg

Dilution Factor: 8.000

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	<LOQ
Prep. By: 1161	Date: 2025-07-15 11:07:33	Analyzed By: 1161	Date: 2025-07-15 11:07:33
Reviewed By: 1179	Date: 2025-07-15 18:48:36	Lab Batch #: AAGW622-434	Date: 2025-07-15 18:48:36

Passed

SOP13.017 (qPCR)



Pathogenic SAE (qPCR)

Specimen Weight: 1017.600 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

Passed

SOP13.029 (qPCR)

Aixa Sun Lab Director/Principal Scientist
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Definitions are found on page 1

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Batch # 250703-01

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Extracted From: Hemp

Test Reg State: Florida

Initial Gross Weight: 30.500 g

Net Weight: 19.500 g

Number of Units: 10

Net Weight per Unit: 2000.000 mg



Heavy Metals

Specimen Weight: 252.100 mg

Dilution Factor: 198

Passed

SOP13.048 (ICP-MS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	1500	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	500	<LOQ	Mercury (Hg)	.58	100	3000	<LOQ



Mycotoxins

Specimen Weight: 590.600 mg

Dilution Factor: 2.540

Passed

SOP13.007 (LCMS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6	20	<LOQ
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					



Residual Solvents - FL (CBD)

Specimen Weight: 17.900 mg

Dilution Factor: 1.000

Passed

SOP13.039 (GCMS-HS)

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	0.0003	0.04	2	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.0048	1.39	500	<LOQ
Acetonitrile	0.06	1.17	410	<LOQ	Methanol	0.0005	0.69	3000	<LOQ
Benzene	0.0002	0.02	2	<LOQ	Methylene chloride	0.0029	2.43	600	<LOQ
Butanes	0.4167	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.0001	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.0021	2.78	NA	<LOQ	Toluene	0.0009	2.92	890	<LOQ
Ethyl Acetate	0.0012	1.11	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.39	5000	<LOQ	Trichloroethylene	0.0014	0.49	80	<LOQ
Ethylene Oxide	0.0038	0.1	5	<LOQ					

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Sample # AAGW622

Sampling Date: 2025-07-15

Lab Batch Date: 2025-07-15

Completion Date: 2025-07-22

Initial Gross Weight: 30.500 g

Net Weight: 19.500 g

Number of Units: 10

Net Weight per Unit: 2000.000 mg

Pesticides
Specimen Weight: 590.600 mg
Dilution Factor: 2.540

Passed

SOP13.007 (LCMS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	2.8800E-1	28.23	300	<LOQ	Fludioxonil	1.7400E+0	48	3000	<LOQ
Acephate	2.3000E-2	30	3000	<LOQ	Hexythiazox	4.9000E-2	30	2000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	3000	<LOQ	Imidacloprid	9.4000E-2	30	3000	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	1000	<LOQ
Azoxystrobin	8.1000E-2	10	3000	<LOQ	Malathion	8.2000E-2	30	2000	<LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ	Metalaxyl	8.1000E-2	10	3000	<LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	3000	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	3000	<LOQ	methyl-Parathion	1.7100E+0	10	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	Mevinphos	2.1500E+0	10	100	<LOQ
Carbofuran	3.4000E-2	10	100	<LOQ	Myclobutanil	1.0290E+0	30	3000	<LOQ
Chlorantraniliprole	3.3000E-2	10	3000	<LOQ	Naled	9.5000E-2	30	500	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Paclobutrazol	6.5000E-2	30	100	<LOQ
Chlormequat Chloride	1.0800E-1	10	3000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	200	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Permethrin	3.4300E-1	30	1000	<LOQ
Clofentezine	1.1900E-1	30	500	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Prallethrin	7.9800E-1	30	400	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Propiconazole	7.0000E-2	30	1000	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	3000	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	3000	<LOQ
Dimethomorph	5.8300E+0	48	3000	<LOQ	Spinosad	8.8000E-2	30	3000	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	3000	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	3000	<LOQ
Etoxazole	9.5000E-2	30	1500	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	3000	<LOQ	Tebuconazole	6.7000E-2	30	1000	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	2000	<LOQ	Thiamethoxam	5.0000E-2	30	1000	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	3000	<LOQ
Flonicamid	5.1700E-1	30	2000	<LOQ					

Aixia Sun
Aixia Sun Lab Director/Principal Scientist
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